

6061T6 2

Work Order ID 154283

Wednesday, December 07, 2016 1:50:27 PM

154283

Page 1

Item ID: 644.4114

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Washer. Pivot

Start Date: 12/9/2016 Start Qty: 7.00

7

Cust Item ID:

Required Date: 12/23/2016 Req'd Qty: 7.00

7

Customer:

Reference:

Approvals: Process Plan: **DAS**Date: **DEC 07 2016** Tooling:

Date:

Run Start ***NR1***QC: **21**

Date: SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Pian Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

644.4100

F2

110

0.00

110

DOOSAN

Doosan

Memo

0.15

Doosan Lathe

1-TURN AS PER DWG

DWG REV: **F2**

2- deburr and break all sharp edges

120

0.00

120

QC2- Inspect parts off machine FAI/FAIB

QC

Memo

0.10

Quality Control

P16-12-15

P16-12-15

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐				

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130 QC8- Inspect parts - second check 0.00

130

QC

Memo

0.02

Quality Control

DAS
14
9-89

12/12/16

140 Outsource process-Anodize per QSI017 4.1.10.1 0.00

140

Outsource4

Memo

70.00

Outsource process - Anodize

Issue P/O to ATG : 348861- Black Anodize as per Dwg
Note 4

Certification of Conformity is required

150 Receive & Inspect for Damage & Mat'l Certs 0.00

150

Packaging

Memo

0.02

Packaging

7 JAN 09 2017

DAS
13
9-89

7x SPI7-01-17

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Work Order ID 154283

Wednesday, December 07, 2016 1:50:27 PM

154283

Page 3

Item ID: 644.4114

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Washer, Pivot

Start Date: 12/9/2016 Start Qty: 7.00

7

Cust Item ID:

Required Date: 12/23/2016 Req'd Qty: 7.00

7

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

155

QC5- Inspect part completeness to step on W/O

0.00

155

QC

Memo

0.02

Quality Control

DAS
38
9-89

JAN 17 2017

160

0.00

160

SprayPaint

Memo

0.00

Spray Painting

PRIME AS PER DWG AND NOTE 4
BATCH: 136429PAINT AS PER DWG AND NOTE 4
BATCH: 136434DAS
38
17-02-01

165

QC14- Inspect Spray Paint

0.00

165

QC

Memo

0.00

Quality Control

DAS
38
9-89

FEB 02 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Run Start ***NR1***
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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180 Identify as per dwg & Stock Location: CK131 0.00

180

Packaging

Memo

0.01

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

7

DAS
6
9-89

FEB 01 2017

190 QC21- Final Inspection - Work Order Release 0.00

190

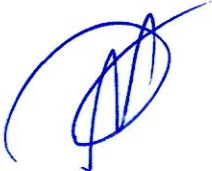
QC

Quality Control

Memo

0.12

11/02/02



FEB 02 2017

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OTHER : ☐					

Picklist Print

Wednesday, December 07, 2016 1:50:32 PM

Page 1

Work Order ID: 154283

154283

Parent Item: 644.4114

644 4114

Parent Item Name: Washer, Pivot

Start Date: 12/9/2016

Required Date: 12/23/2016

Start Qty: 7.00

Required Qty: 7.00

Comments: IPP REV:A NEW ISSUE 16-12-06 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6R2.000		Purchased	No				f	10.9640		0.427368			

M6061T6R2 000

**

6061T6 ROUND BAR 2.00

Location

Loc Qty

Loc Code

MAT012

10.964

m127682

10.964

431

16-12-15

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

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Large Fab ☐	Composite ☐	Supplier ☐																																																																		
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval																																																																
Description Work Order Deviation		Disposition		Completed By																																																																
				Lead hand / Supervisor Approval Verification																																																																
				QC / QA Coordinator Approval																																																																
Root Cause		FAULT CATEGORY																																																																		
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APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 04489

SHEET 1 OF 1

DWG NO. 644,4100

REV: F

PREPARED BY: J. BECKER

DATE: 04/08/14

EFFECT ON DWG
☐ INC. ☒ UNINC.

DWG TITLE: PIVOT STEP ASSY

APPROVED BY:

ENGR: *[Signature]*

MFG

[Signature]

QC

[Signature]

EFF:

NEXT ORDER

TRANSACTION
A-ADD
R-REVISECODES (TC)
C-CREATE
D-DELETE

REASON: UPDATE NOTE 4, FINISH SPECIFICATION.

NOTES:

1. IDENTIFY ALL PARTS IN ACCORDANCE WITH MPP-120
2. MATERIAL: 2024-T3 ALUMINUM
3. MATERIAL: 6061-T6 ALUMINUM
4. FINISH IAW MPP-172 SECTION 2.1, SECTION 3.1, SECTION 4.1, SECTION 5.2.
5. MATERIAL: MDS-FILLED NYLON 6/6 SHEET, CUT OD CIRCLE USING 2" GASKET PUNCH, CUT ID HOLE USING 1/4" GASKET PUNCH
6. MATERIAL: MDS-FILLED NYLON 6/6 SHEET, CUT OD CIRCLE USING 2" GASKET PUNCH, CUT ID HOLE USING 5/16" GASKET PUNCH
7. DIMENSION VALUE HAS FINISH COATING OF 6-10 MIL (.006-.010) TAKEN INTO CONSIDERATION
8. ADD ADDITIONAL WASHER UNDERNEATH CASTLE NUTS IF NECESSARY.
9. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III CLASS 2, COLOR BLACK.

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 154283 MJS
10-12-07

SHEET 1, NOTES IS:

DOCUMENTS EFFECTED:

☐ MDL ☐ INSTALL INSTRUC ☐ ICA ☐ BOMCHANGE CATEGORY
☐ MAJOR ☒ MINORDER REVIEW REQUIRED
☐ YES ☒ NO

INDUSTRIES, INC.

04286

SHEET 1 OF 1

REV: F

PREPARED BY J. SOTO

DATE: 12/04/2013

EFFECT ON DWG
☐ INC. ☒ UNINC.

DWG TITLE: PIVOT STEP ASSY

APPROVED BY: ENGR *T Bravo*

MFG DEB

QC

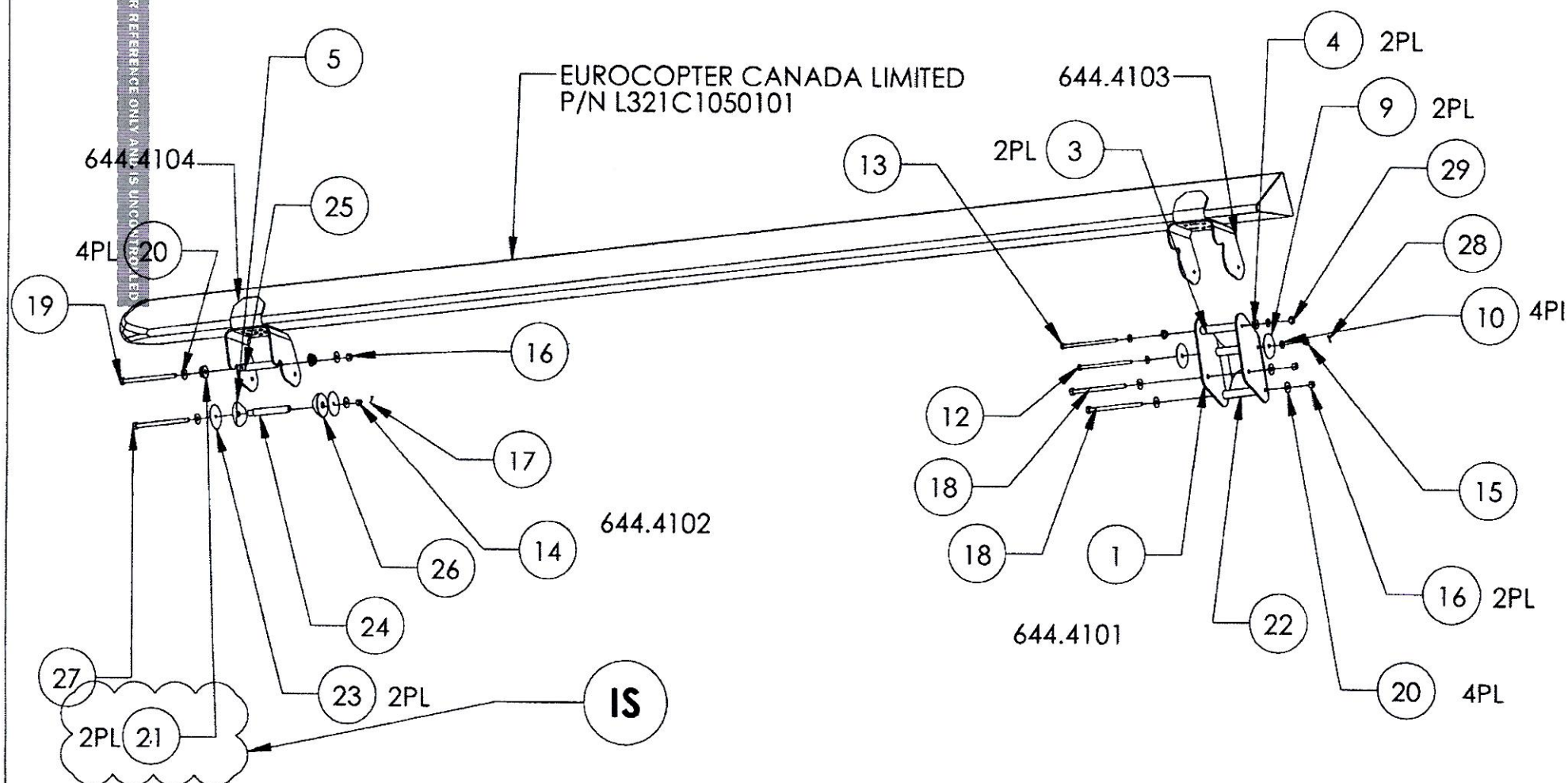
EFF.	NEXT ORDER
------	------------

TRANSACTION CODES (TC):
A-ADD
R-REVISE
C-CREATE
D-DELETE

REASON: REVISED F/N CALL OUT FROM 22 TO 21

ECR:	13-151
------	--------

SHEET 1, ZONE D1 IS:



DOCUMENTS EFFECTED:

☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

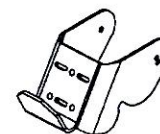
DER REVIEW REQUIRED

☐ YES ☒ NO

NOTES:

- 
- 644.4102

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECH 01310 01322 01332, 01357.	11-22-68	S. JOSEPH
B	INCORPORATED ECH 01372 01418 01795, 01838.	05-21-67	P. BRAVO
C	INCORPORATED ECH 01908, 02326, 03022	12-16-10	P. BRAVO
D	INCORPORATED ECH 03111, 03113, 03208, & 03740.	12-10-12	P. BRAVO
E	INCORPORATED ECH 02941	06-18-13	P. BRAVO
F	INCORPORATED ECH 84004	2-26-13	P. BRAVO

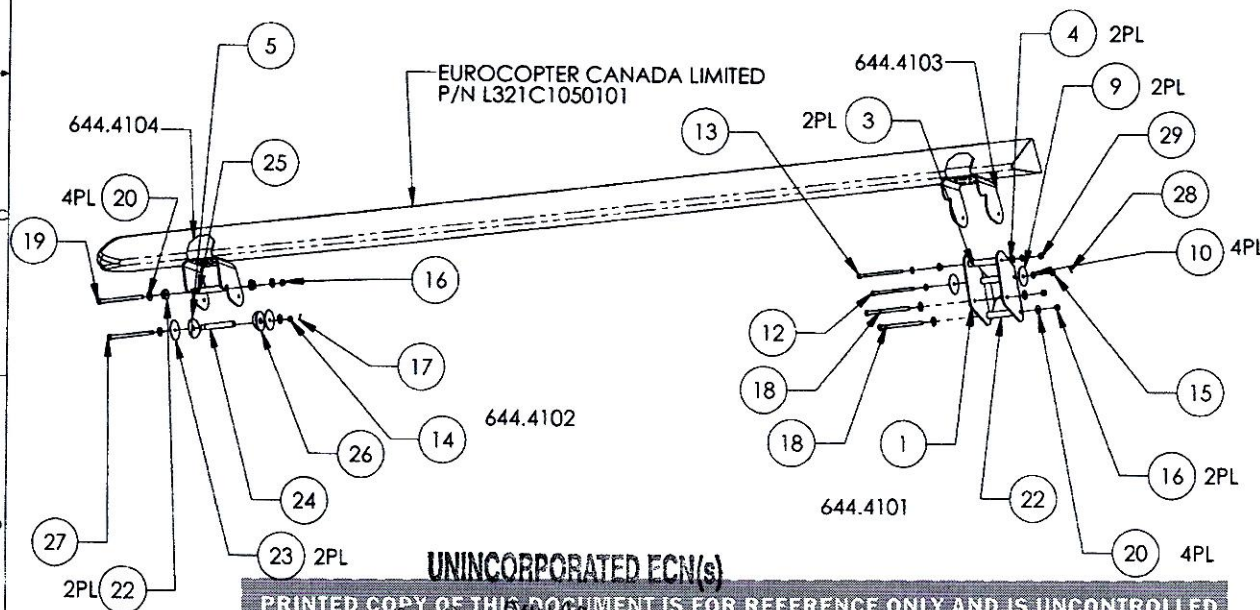


644,4103



644.4104

644,4101

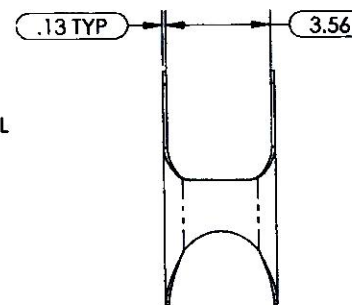
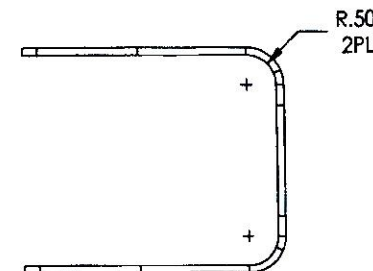
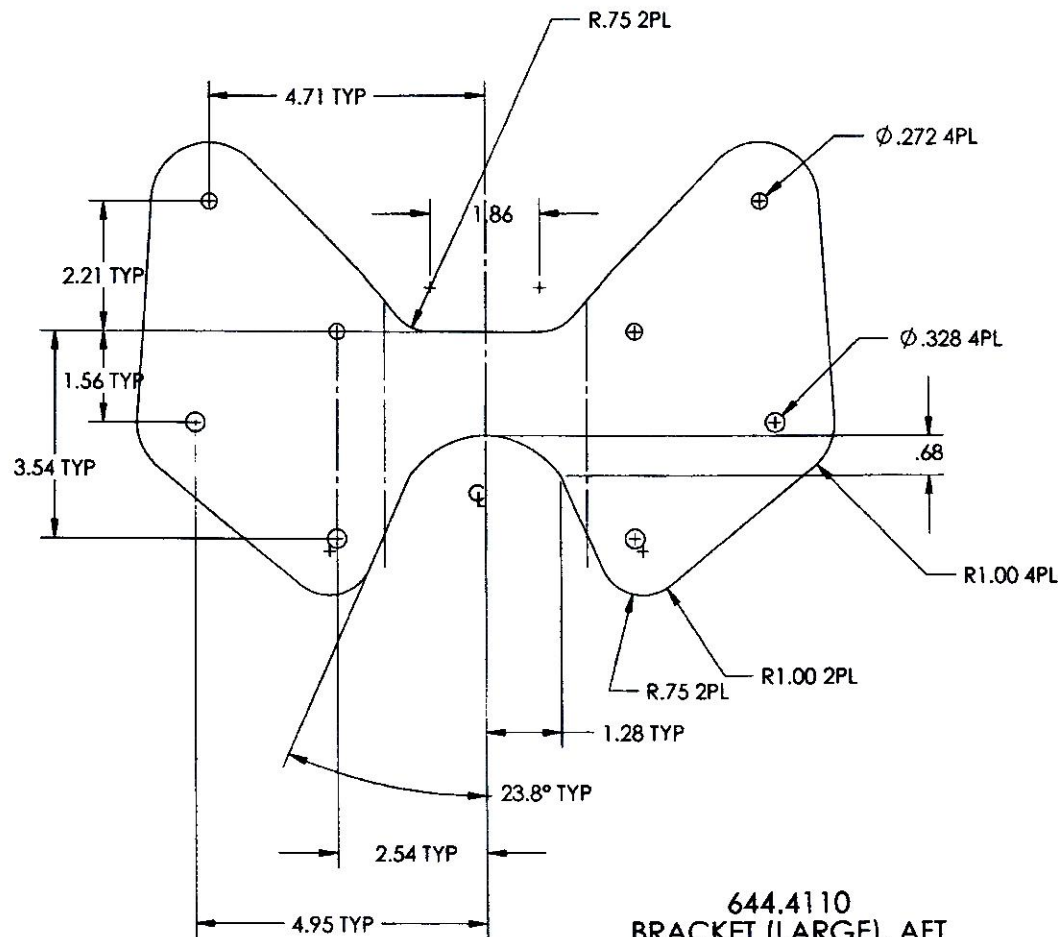


UNINCORPORATED ECN/S

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		1	29	601.3273	LOCKNUT FULL	MS22464AN4		
		1	28	601.2640	COTTER PIN	MS24665-13Z		
		1	27	601.2328	BOLT, HEX	ANS-45		
		1	26	644.4124	WASHER, PIVOT	△ △		
		1	25	644.4123	FWD CROSS-TUBE BUSHING	△ △		
		1	24	644.4122	FWD CROSS-TUBE BUSHING	△ △		
		2	23	644.4121	WASHER, NYLON	△ △		
		1	22	644.4120	SPACER, CROSS-TUBE	△ △		
		2	21	644.4119	SPACER, FWD STOP	△ △		
		4	20	601.2110	WASHER, FLAT THICK	MAS114PC 0560R		
		1	19	601.2250	BOLT, HEX	ANS-5C		
		2	18	601.2249	BOLT, HEX	ANS-43A		
		1	17	601.3315	COTTER PIN	MS24665-210		
		1	2	601.3272	LOCKNUT FULL	MS21044NS		
		1	15	601.1435	NUT, HEX CASTLE FULL	ANS10-4		
		1	14	601.3270	NUT, HEX CASTLE FULL	ANS10-5		
		1	13	601.3407	BOLT, HEX	AN4-47A		
		1	12	601.2434	BOLT, HEX	AN4-45		
6	3		11	601.2326	RIVET, COUNTERSUNK	MS20426ADS-B		
			4	10	601.D863	WASHER, THICK	MAS114PC 0463R	
			2	9	644.4118	WASHER, NYLON	△ △	
		1	8	644.4117	BRACKET, FWD PIVOT	△ △		
		1	7	644.4116	BRACKET [SMALL], FWD	△ △		
		1	6	644.4115	BRACKET [SMALL], AFT	△ △		
		1	5	644.4114	WASHER, PIVOT	△ △		
		2	4	644.4113	SPACER, STOP	△ △		
		2	3	644.4112	SPACER	△ △		
		1	2	644.4111	BRACKET, AFT PIVOT	△ △		
		1	1	644.4110	BRACKET [LARGE], AFT	△ △		
X	X	1		644.4104	FWD BRACKET ASSY			
X	X	1		644.4103	AFT BRACKET ASSY			
X	X			644.4102	PIVOT STEP ASSY			
X	X			644.4101	PIVOT STEP ASSY			
4104	4103	4102	4101	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
				QTY	PART LIST			
NEXT ASSY (S)				APICAL INDUSTRIES				
644.1800				2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5333				
				PIVOT STEP ASSY				
ORIGINAL DATE DEC-03-01 DRAWN BY JCROCHER CHECKED J. JOHNS DRAWING APPROVAL 1-NOV-01 08-20-05 CONTRACT NO.				SEE CASE CODE DWG. NO. SCALE: NONE I SHEET 1 OF 1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ± .003 2 PLACE DECIMALS ± .010 ANGLES ± .5°				744.4100				

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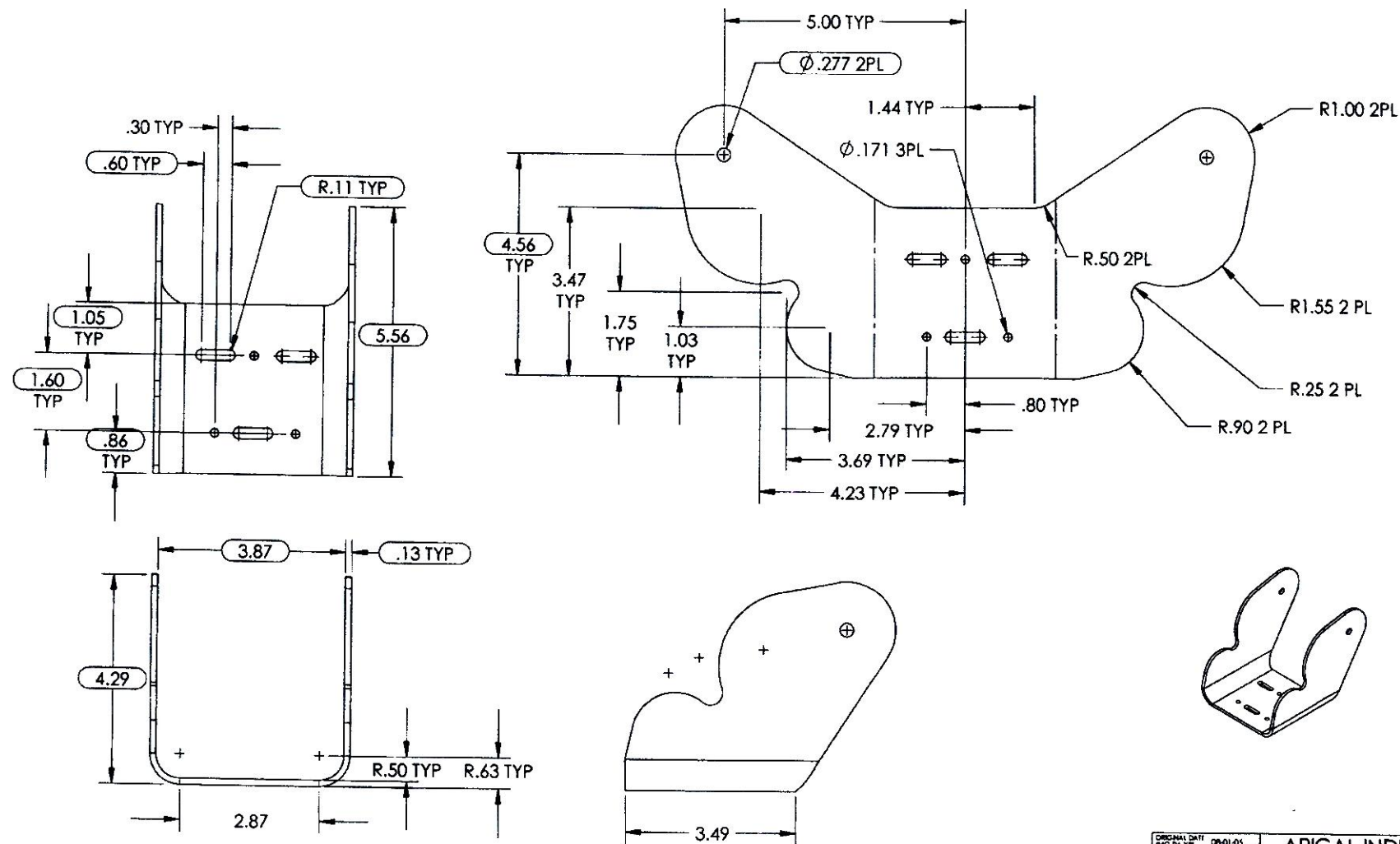


644.4110
BRACKET (LARGE), AFT

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ORIGINAL DATE 08-01-05	APICAL INDUSTRIES
DRAWN BY S. JOSEPH	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300
CHECKED BY S. JOSEPH	PIVOT STEP ASSY
DATE 08-29-05	
CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.02 3 PLACE DECIMALS ±.010 ANGLES ±.5°	REV. F
SIZE (CODE CODE) DWG. NO. 644.4100	SCALE NONE
	SHEET 2 OF 16

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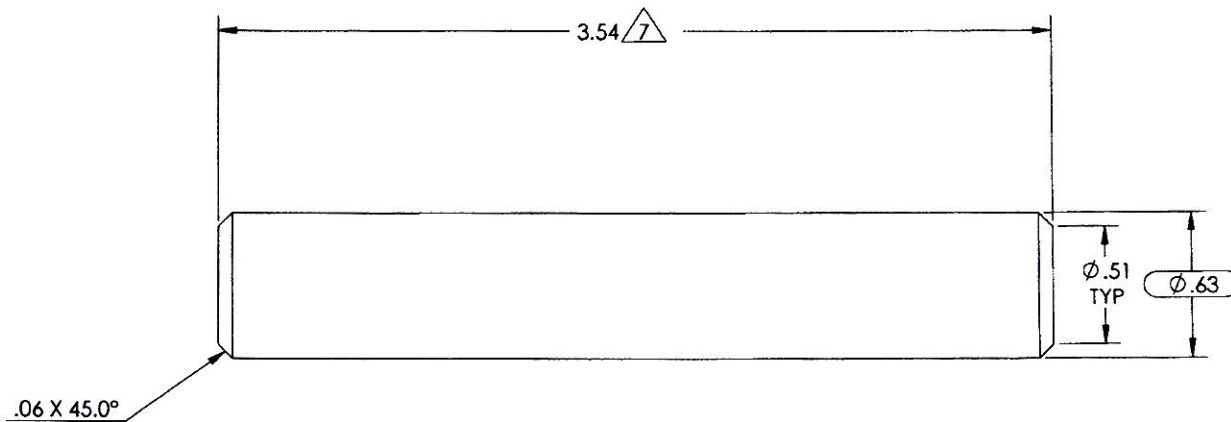


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644.4111
BRACKET, AFT PIVOT

ORIGINAL DATE: 08-01-05		APICAL INDUSTRIES	
DRAWN BY: J. JOSEPH		2608 TEMPLE HEIGHTS DR.	
CHECKED BY: J. JOSEPH		OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL: J. JOSEPH 08-29-05		PIVOT STEP ASSY	
COORDINATOR: J. JOSEPH		SCALE: NONE	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: 2 PLACES DECIMALS: .003, 3 PLACES DECIMALS: .010, ANGLES: $\pm .5^\circ$		SER: B	CAGE CODE: 07M26
		DWG. NO.: 644.4100	REV: F
		SHEET 3 OF 16	

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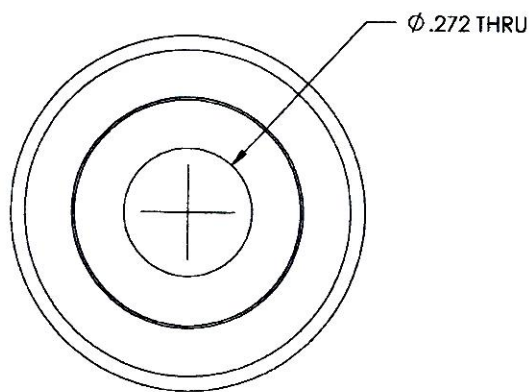
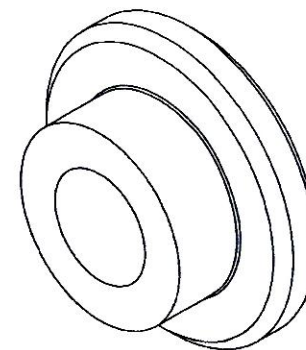
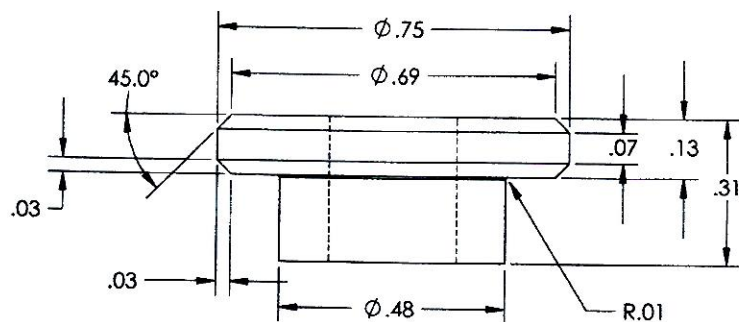


644.4112
SPACER

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ORIGINAL DATE 08-01-05	APICAL INDUSTRIES	
DRAWN BY D. PARSONS	2608 TEMPLE HEIGHTS DR.	
CHECKED BY S. JOSEPH	OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL S. JOSEPH 08-29-05	PIVOT STEP ASSY	
CONTRACT NO.	SHEET B	REV. F
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .010 ANGLES ± .5°	DWG. NO. 644.4100	SHEET 4 OF 16
SCALE NONE		

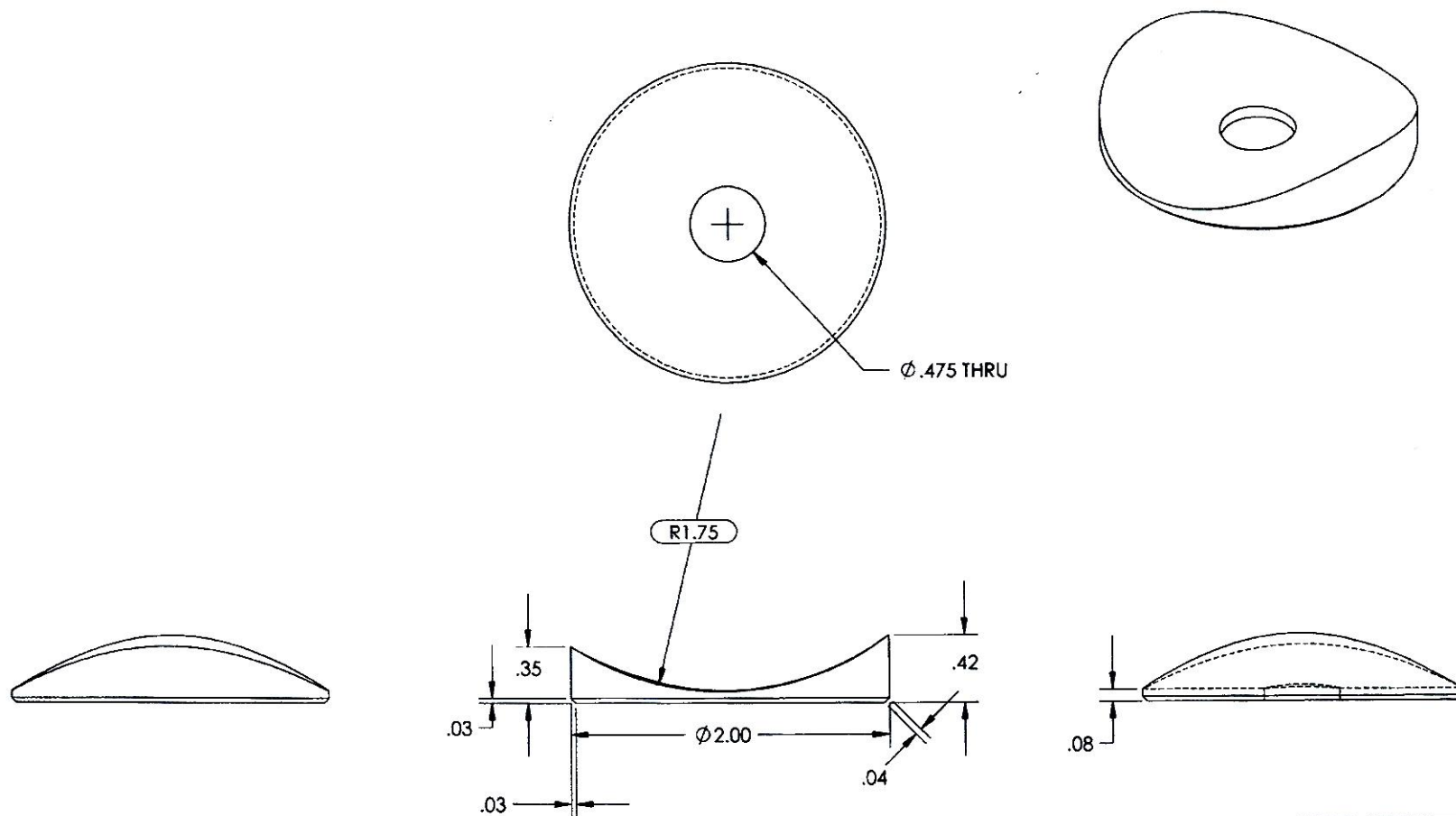
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644.4100
SPACER, STOP

ORIGINAL DATE 08-01-05		APICAL INDUSTRIES	
DRAWN BY D. FAIRBROT	CHECKED S. JOSEPH	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL S. JOSEPH 08-01-05		PIVOT STEP ASSY	
CONTRACT NO.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.02 3 PLACE DECIMALS ±.010 ANGLES ±.5°		SHEET 8	REV. F
CAGE CODE 07M26		644.4100	
DWG. NO.		SHEET 5 OF 16	

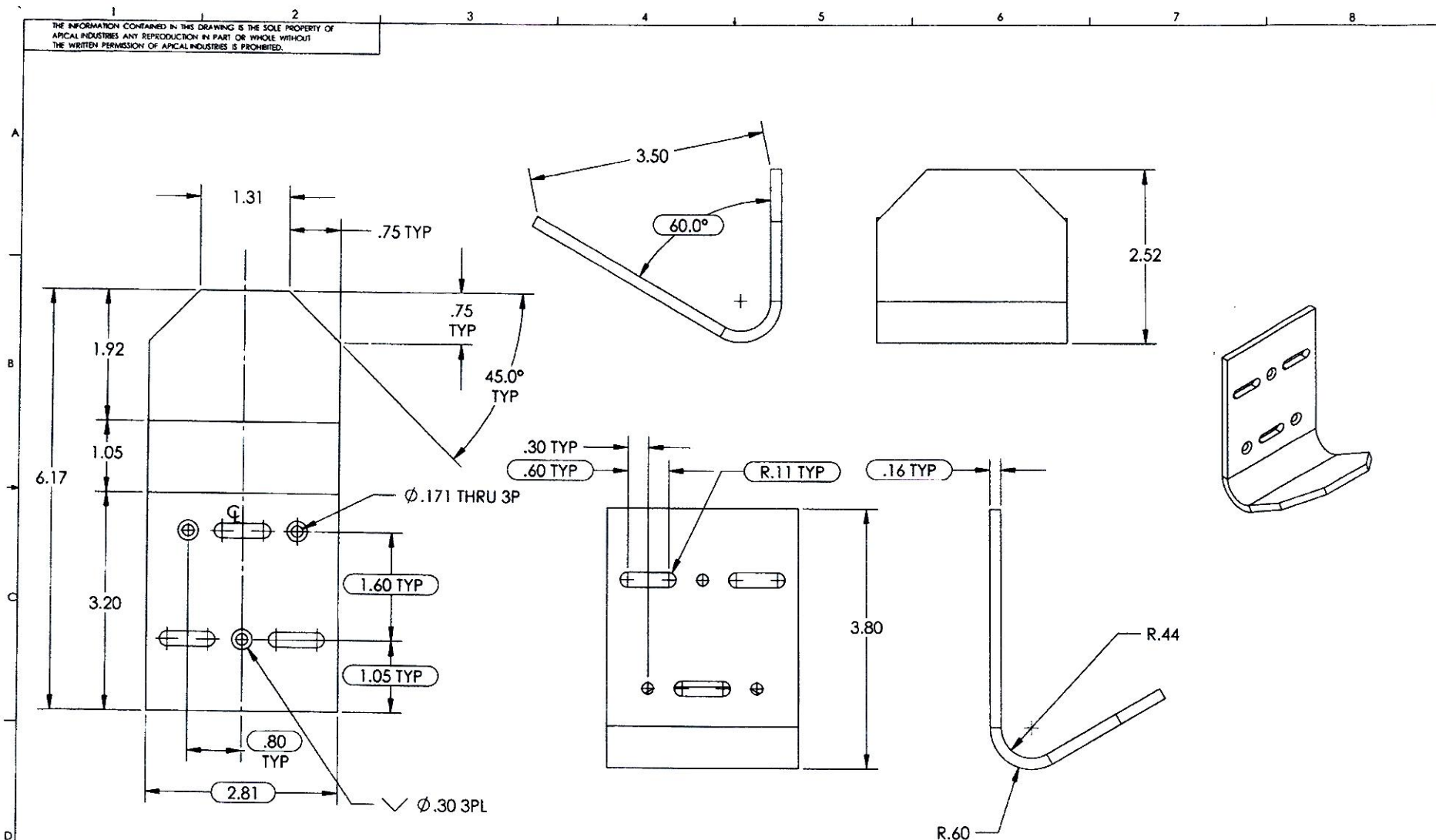
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DRAWN BY D. PARBROT	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY S. JOSEPH	PIVOT STEP ASSY	
DRAWING APPROVAL S. JOSEPH 08-29-05	SET / CAGE CODE B 07M26	DWG. NO. 644.4100
CONTRACT NO.	SCALE NONE	SHEET 4 OF 16
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .03$ 3 PLACE DECIMALS $\pm .010$ ANGLES $\pm .5^\circ$		

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644.4115

BRACKET (SMALL), AFT

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FLAT VIEW

ORIGINAL DATE 08-01-05	APICAL INDUSTRIES 2408 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300			
DRAWN BY D. P. BAKER				CHECKER J. S. CORMAN
DRAWING APPROVAL J. S. CORMAN 08-29-05				
CONTRACT NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS .003 2 PLACE DECIMALS .010 1 PLACE DECIMALS .030 ANGLES .5°				
SEE B	CAGE CODE 07ALM6	DWG. NO. 644.4100	REV. F	
SCALE NONE			SHEET 7 OF 14	

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644.4116
BRACKET (SMALL) FWD

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ORIGINAL DATE: 08-01-05
DRAWN BY: D. PARROT
CHECKER: S. JOSEPH
DRAWING APPROVAL: S. JOSEPH 08-29-05
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS: ±.05
3 PLACE DECIMALS: ±.010
ANGLES: ±.5°

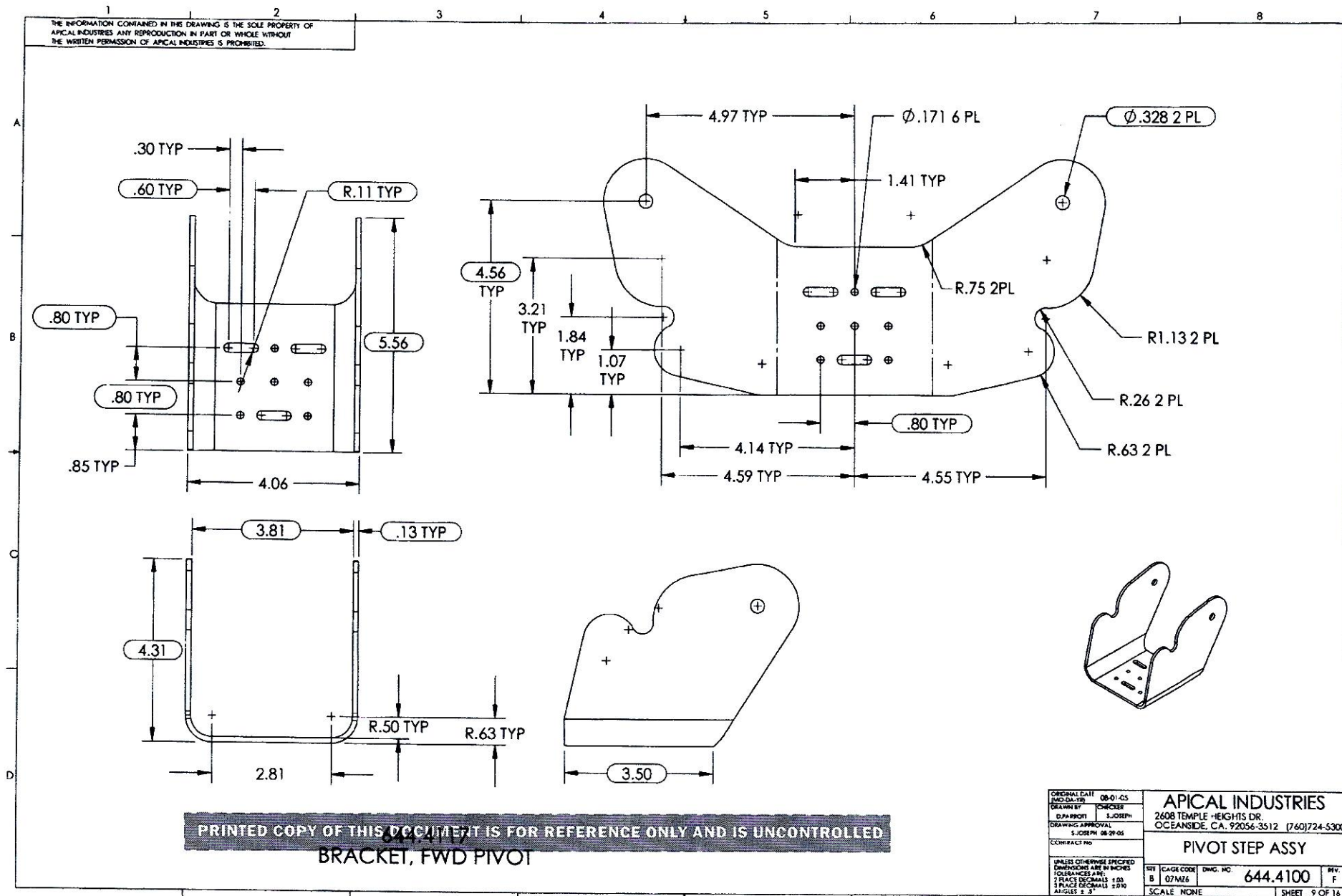
SER: B
CAGE CODE: 07M26
DWG NO: 644.4100
SCALE: NONE
SHEET 8 OF 10

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5312
PIVOT STEP ASSY

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ORIGINAL DATE (M/D-YR)	08-01-05	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300				
DRAWN BY D. PARROT	J. JOSEPH					
DRAWING APPROVAL J. JOSEPH	08-29-05					
CONTRACT NO.						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN DECIMALS 1. TOLERANCES ARE: 2. PLACE DECIMALS = .003 3. PLACE DECIMALS = .010 4. ANGLES		SER.	CAGE CODE	DWG. NO.	644.4100	REV. F
		8	07M26			
		SCALE: NONE				SHEET 8 OF 16

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ORIGINAL DATE: 08-01-05		APICAL INDUSTRIES	
DRAWN BY: J. JOSEPH		2608 TEMPLE HEIGHTS DR.	
DRAWING APPROVAL: J. JOSEPH		OCEANSIDE, CA. 92056-3512 (760)724-5300	
CONTRACT NO.		PIVOT STEP ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.01 ANGLES ±.5°		SIT: CAGE CODE: B 07M26	DWG. NO: 644.4100
SCALE: NONE		REV. F	
		SHEET 9 OF 16	

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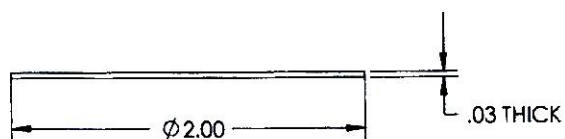
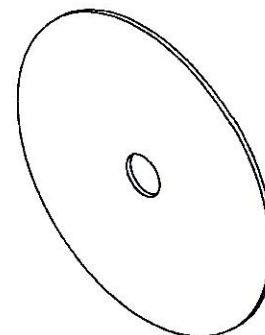
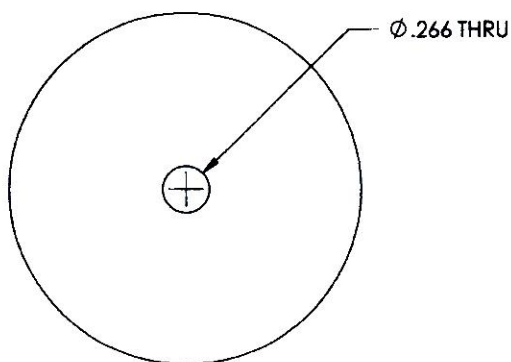
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D

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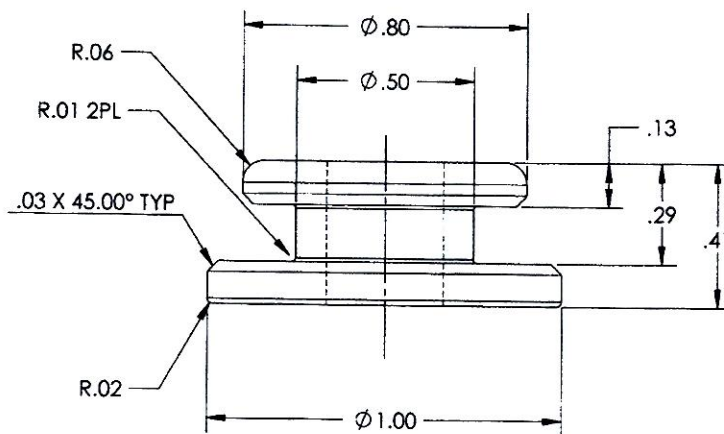
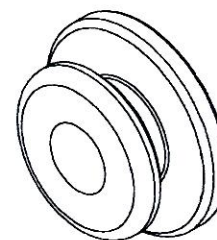
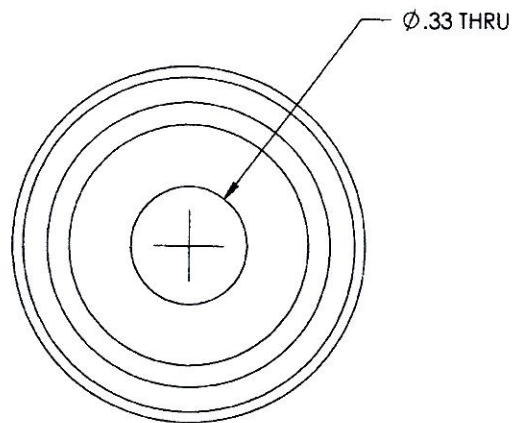


644.4118
WASHER, NYLON

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ORIGINAL DATE 08-01-05	APICAL INDUSTRIES	
DRAWN BY CHECKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL S. JOSEPH	PIVOT STEP ASSY	
CONTRACT NO.	SHEET B	CAGE CODE D7AMZ6
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ±.03 2 PLACE DECIMALS ±.010 ANGLES ±.5°	DWG. NO. 644.4100	REV. F
SCALE NONE		SHEET 10 OF 16

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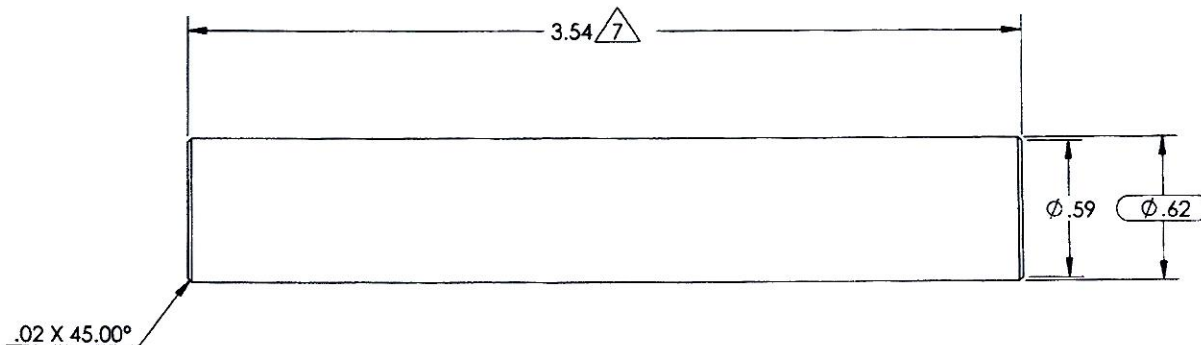
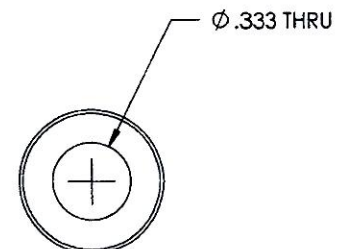
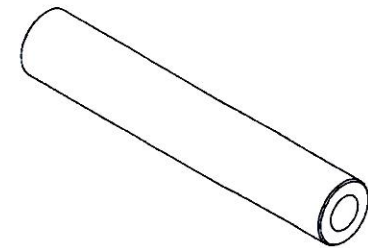


644.4119
SPACER, FWD STOP

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ORIGINAL DATE 08-01-05		APICAL INDUSTRIES	
DRAWN BY CHECKER		2608 TEMPLE HEIGHTS DR.	
DATE PLOT LUCIENH		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL 1. J. C. B. 08-24-05		PIVOT STEP ASSY	
CONTRACT NO.		REV. F	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. PLACE DECIMALS 1.00 2. PLACE DECIMALS 1.00 3. PLACE DECIMALS 1.00 4. PLACE DECIMALS 1.00		SIZE CAGE CODE B 07M26	DWG NO 644.4100
SCALE NONE		SHEET 1 OF 16	

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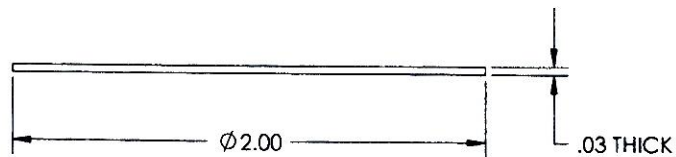
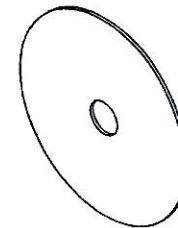
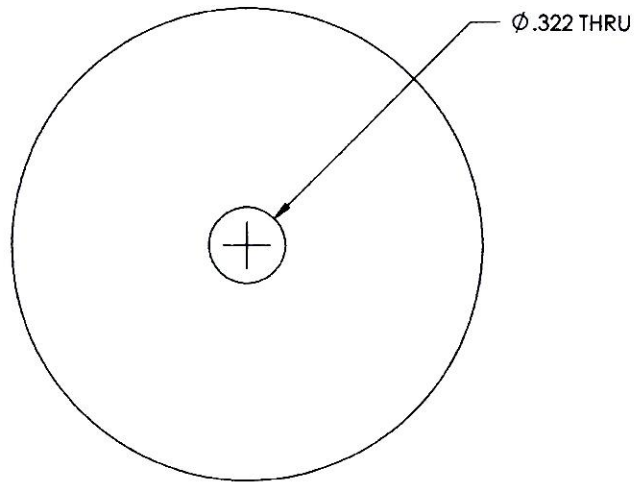


644.4120
SPACER, CROSS-TUBE

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ORIGINAL DATE 08-01-05	APICAL INDUSTRIES	
DRAWN BY D. PARROTT	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED S. JOSEPH	PIVOT STEP ASSY	
DRAWING APPROVAL S. JOSEPH 08-29-05	SIZE B	DWG NO. 644.4100
CONTEXT NO.	SCALE NONE	SHEET 12 OF 16
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .010 ANGLES ± .5°		

1 2 3 4 5 6 7 8
A
B
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D
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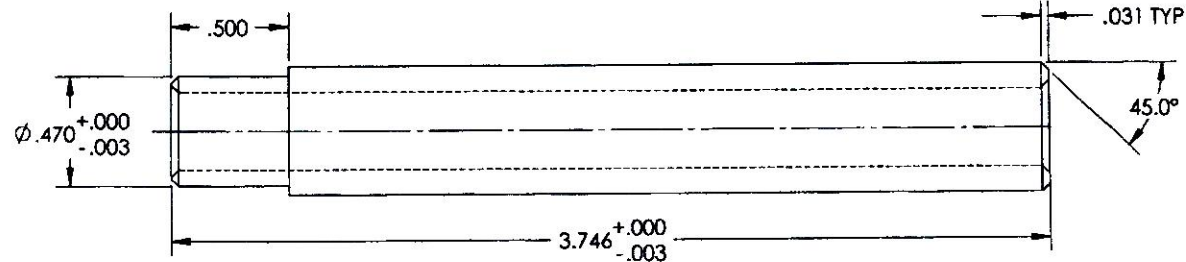
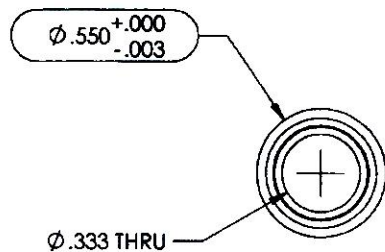
644.4121

WASHER, NYLON

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ORIGINAL DATE 08-01-05	APICAL INDUSTRIES		
DRAWN BY D. PARROTT	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5360		
DRAWING APPROVAL S. JOSEPH 08-29-05	PIVOT STEP ASSY		
CONTRACT NO.	REV B	CAGE CODE 07M26	DWG. NO. 644.4100
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.003 3 PLACE DECIMALS ±.010 ANGLES ±.5°	SCALE NONE	REV F	
		SHEET 13 OF 16	

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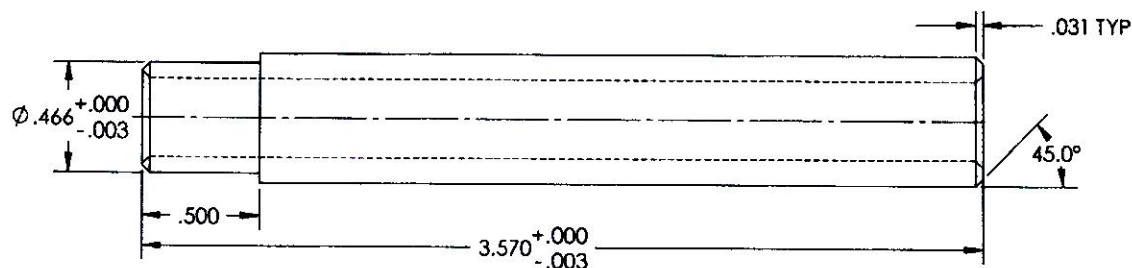
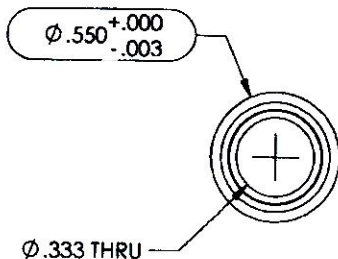


644.4122

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ORIGINAL DATE 09-01-05		APICAL INDUSTRIES	
DRAWN BY J. JOSEPH		2608 TEMPLE HEIGHTS DR.	
CHECKED BY J. JOSEPH		OCEANSIDE, CA 92056-3512 (760) 724-5300	
DRAWING APPROVAL J. JOSEPH 09-01-05		PIVOT STEP ASSY	
CONTRACT NO.		SIZE CAGE CODE B D7MA26	DWG. NO. 644.4100
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.010 2 PLACE DECIMALS ±.010 1 PLACE DECIMALS ±.010		SCALE NONE	SHEET 14 OF 16

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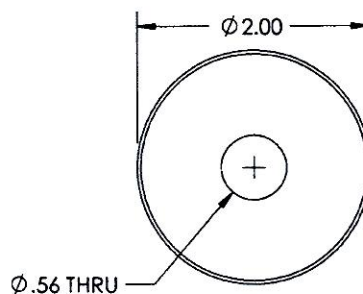
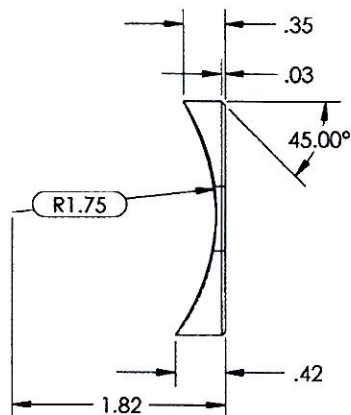


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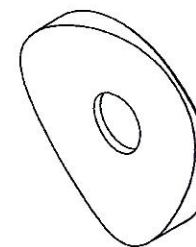
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ORIGINAL DATE 09-01-03		APICAL INDUSTRIES	
DRAWN BY D. PARSONS		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL S. JOSEPH 08-29-03		PIVOT STEP ASSY	
CONTRACT NO.		SCALE: NONE	SHEET 15 OF 16
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.003 2 PLACE DECIMALS ±.010 ANGLES ±.5°		REV. F	

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ORIGINAL DATE 08-01-05		APICAL INDUSTRIES	
DRAWN BY J. JOSEPH		2608 TEMPLE HEIGHTS DR.	
CHECKED BY J. JOSEPH		OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL 1.03.05 08-29-05		PIVOT STEP ASSY	
CONTRACT NO.		REV. F	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE / CAGE CODE B 07MZ6	DWG. NO. 644.4100
SCALE: NONE		SHEET 16 OF 16	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34886**

Purchase Order Date 1/9/2017

PO Print Date 1/11/2017

Page Number 2 of 5

Order From : VC-ATG001
A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 613-446-4544

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$34.65

4 154283 644.4114 WASHER 1/17/2017
PIVOT REV. F
Yes
1/17/2017
FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE 3 CLASS 2, COLOR BLACK

7.00 \$4.50 \$31.50

SP1701-17

Line Total: \$31.50

5 154285 644.4124 WASHER 1/17/2017
PIVOT REV. F
Yes
1/17/2017
FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE 3 CLASS 2, COLOR BLACK

7.00 \$4.50 \$31.50

Line Total: \$31.50

6 154804 646.9713 BODY REV. D 1/25/2017
Yes
1/25/2017
FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-PRF-23377J TYPE I CLASS N

6.00 \$14.50 \$87.00

PO Instructions: PRIMER IS SUPPLIED BY DART

Note:

1/11/2017



A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE STREET
ROCKLAND, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 912816

Date: 17-Jan-17

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

CHANTAL LAVOIE
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
Quantity	Description		
	PLEASE REFERENCE THE PACK LIST NUMBER ON ALL CORRESPONDENCE TO THIS SHIPMENT. IF YOU HAVE ANY QUESTIONS, PLEASE CALL AT (613) 446-4544.		
12 ea	Part: D4726-1 Handle Job: 20566	Rev: A PO: 34886	Line: 1
18 ea	Part: D4703-043 Lock pin Job: 20567	Rev: A PO: 34886	Line: 2
7 ea	Part: 644.4114 Washer Pivot Job: 20569	Rev: F PO: 34886	Line: 4
7 ea	Part: 644.41245 Washer Job: 20570	Rev: F PO: 34886	Line: 5
DATE: 17/01/2017			
CERTIFIED SIGNATURE:			
RECEIVER SIGNATURE: _____			
Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
CERTIFICATE OF CONFORMANCE			
A.T.G. INDUSTRIES INC. CERTIFIES THAT ALL ITEMS IN THIS SHIPMENT CONFORM TO REQUIREMENTS.			
MADE IN CANADA.			